

## Algebra 1 - 2.0 - Error List

July 1, 2018

### Errors corrected in disc version 2:

- Lecture 3 – There is a typo part way through the lecture. The phrase “to get ride of an addition” should be “to get rid of an addition.”
- Lecture 7 – The way that students are taught to convert a decimal percent to a fraction is different from how it is expected to do it the first time it comes up as a problem in lesson 8 without any additional explanation given.
- Problem Set 8, Practice E – In the CD solution, the audio says “two spaces to the right” when it should be “two spaces to the left.”
- Problem Set 47, Practice B and Problems 10 and 11 – On the CD, the lesson reference numbers (the number listed in the upper-right corner that tells which lesson this type of problem is from) are incorrect. Problem 10 should list 28 as the lesson reference number while Practice B and Problem 11 should list 35.
- Lecture 73 – The lecture states that the only expressions in the book that are not polynomials are expressions with x’s in the denominator. However, we introduce radical expressions in the very next chapter.
- Lecture 73 – About 5/6 of the way into the lecture, the teacher says that  $5x^{-2}$  is the same as  $\frac{1}{5x^2}$ , but the negative exponent is only being applied to the  $x$ , so  $5x^{-2}$  is actually supposed to be  $\frac{5}{x^2}$ . This error exists in both the audio and video.
- Problem Set 86, Practice A – This problem uses the “completing the square” method, but it doesn’t use the all of the same steps that are required. This is also an issue in Problems 6 and 7 as well as Problem Set 85 Problems A, B, 7, 8, and 9.
- Lecture 87 – About ¼ to 1/3 of the way into the lecture, the teacher says that “ $y = 325$  and that means when  $x = 65 \dots$ ” but it should instead be “ $x = 5$ ”.
- Problem Set 89, Practice E – The phrase “If the company brings in a \$50 profit from every...” should instead be “If the company takes in \$50 from every...”
- Problem Set 89, Problem 22 – The phrase “If the Freddie brings in an \$80 profit from every...” should instead be “If the Freddie takes in \$80 from every...”

- Problem Set 91, Problem 14 – The solution on the CD rounds the answer incorrectly and should give the answer as “ $x = 2.22, x = -0.22$ .”
- Problem Set 109, Problem 18 – The point labeled as (2,1) is incorrectly at the point (-2,1).
- Problem Set 113 Practice C – Options A and B are the exact same, but the correct answer is option C.
- Chapter 13 Test, Problem 20 – In the table on this problem, the second value in the “z” row should be “-12” rather than “12.”
- Chapter 16 Test, Problem 19 – While the answer is listed as option A, the equation given in option C is also correct.

**Errors that occurred in older printings (none of these are in textbooks or CDs printed after July 1, 2016):**

- Problem Set 15, Practices A and B – There is a “Next Page” button in the top right corner of the CD. There is no second page for these problems.
- Problem Set 18, Practice E – The hint should say “94.25% of the total number of mice has to equal 75,400.”
- Problem Set 23, Problem 13 – You can’t select option E on the CD, but E is not the correct answer.
- Problem Set 49, Problem 10 – The solution for this problem is actually the solution for problem 11.
- Problem Set 49, Problem 11 – The solution for this problem is actually the solution for problem 9.
- Problem Set 50, Problems 4 & 6 – The program will count the correct answers as incorrect. The answers should be:  
 Problem 4:  $(-1) * (2) * (3) * (3) * (5) * (x)$   
 Problem 6:  $(-1) * (2) * (2) * (2) * (2) * (3) * (x)$
- Problem Set 51, Problem 4 – The program will count the correct answer as incorrect. The answer should be:  
 $(-1) * (2) * (3) * (3) * (5) * (x)$

- Problem Set 52, Problem 2 – The program will count the correct answer as incorrect. The answer should be:

$$(-1) * (3) * (3) * (3) * (3) * (y)$$

- Problem Set 53, Problem 3 – The program should accept option E as the correct answer rather than option B.
- Problem Set 56, Problem 10 – The problem’s voice on the CD is incorrect and does not match the text on screen. The text is correct.
- Problem Set 59, Practice C – On the CD, choice A should be “ $\frac{4+2x}{3x}$ .”
- Problem Set 77, Practice B – The solution on the CD does not match the problem. The correct answer is choice B.
- Problem Set 81, Problem 16 – The answer for option B should be “ $\frac{13x^3 - 26}{x^3 - 2}$ ,” but B is not the correct answer.
- Problem Set 85, Practice A – The problem statement should read “ $y^2 + 12y$ ”
- Chapter 11 Test, Problem 15 – The equation for this problem should be “ $\frac{\frac{25}{4x}}{\frac{10x^2}{8x^4}}$ .”
- Problem Set 91, Problem 14 – The correct answer to this problem in the answer key and on the CD should be “ $x = 2.22, x = -0.22$ .”
- Problem Set 95, Practice A – The answer for option B should be “ $\frac{4}{7}x^4yz^2$ ,” but B is not the correct answer.
- Chapter 13 Test, Problem 12 – The second fraction should have a numerator of “2ab.”  
The correct equation is “ $\frac{a}{a-b} - \frac{2ab}{a^2 - b^2}$ .”
- Problem Set 106, Practice C – The answer for option B should have the ordered pair “(1, 5)” in the uppermost point, but B is not the correct answer.
- Problem Set 106, Problem 21 – The answer for option C should correctly show “ $y = 2x - 1$ ” rather than “ $y = 2x$ ,” and C is the correct answer.

- Problem Set 111, Problem 17 – The answer for option B should have the coordinate “(1, -1)” rather than “(1, 1),” but B is not the correct answer.
- Lecture 112 – Approximately 20% into the lecture, at the top left of the page, the equation should read  $y = \frac{1}{3}x - 7$ . It should read  $-7$  instead of  $+7$ .
- Problem Set 115, Problem 18 – The lesson reference number for this problem should be 115, not 117.
- Chapter 16 Test, Problem 22 – Option C should have the ordered pair “(0, 6)” in the uppermost point, but this is not the correct answer.
- Lesson 120, Page 616 – The phrase “For example,  $\sqrt{9-4}$  means...” should instead be “For example,  $x \geq 8$  means...”
- Lesson 121, Page 623 – In the table for “Multiplying by a positive,”  $\sqrt{5} + 3$  should be  $8 > 3$  and  $\sqrt{5} - 3$  should be  $8(2) > 3(2)$ .
- Lesson 121, Page 623 – In the table for “Multiplying by a negative,”  $\sqrt{5}$  should be  $8 > 3$ .
- Lesson 121, Page 623 – In the paragraph at the bottom of the page,  $\sqrt{5} + 3$  should be  $8 > 3$ .
- Lesson 121, Page 624 – In the first paragraph,  $2\sqrt{5}$  should be  $12 > 6$ ,  $\sqrt{7} + \sqrt{7}$  should be  $\frac{12}{-3} > \frac{6}{-3}$ , and  $2\sqrt{7}$  should be  $-4 < -2$ .
- Lesson 121, Page 624 – In the second paragraph,  $3x + 2x = 5x$  should be  $-3x \geq 18$ .
- Problem Set 123, Problem 19 – The answer for option D should be “ $x \geq 8$ ” rather than “ $x \geq -8$ ,” but D is not the correct answer.
- Lesson 128, Problem 12 – On the flash CD, the point on choice C is labeled (3, 7) but is actually at (2, 7). It should be (3, 7).
- Problem Set 130, Problem 12 – The hint should say “Since you don’t have the y-intercept, set up the equation in point-slope form and use (-3, 5).” Also, this graph is drawn incorrectly on the CD. The leftmost point says (-3, 5) but it is actually at the point (-5, 3). (-3, 5) is the correct point and should be used for calculations.
- Problem Set 135, Practice A – The answer for option D should be “Domain: All real numbers greater or equal to 9; Range: All real positive numbers and 0,” but D is not the correct answer.

- Problem Set 140, Problem 4 – In the solution, the answer for option E should be “Domain: All real numbers; Range: All negative real numbers and 0,” and E is the correct answer.
- Chapter 19 Test, Problems 18 and 19 –

If the stem-and-leaf plot is as below then the answers should be:

18. 4; Mode = 3.2

19. Median = 3.8; Range 9.2

Stem	Leaf
0	3 4 4
2	0 1 1 3 5
3	2 2 2 6 8
4	7 9
6	6 6 7 9
7	3 4 4
9	1 2 5
10	= 1.0

If the stem-and-leaf plot is as below then the answers should be:

18. 5; Mode = 49

19. Median = 50.5; Range 88

Stem	Leaf
1	0 1 3 3 4
2	1 1 2 5 7
4	8 9 9 9
5	0 1 2 5 6
6	3 3 4
8	6 7 7 9
9	3 4 4 8
10	= 10